CHAPTER 4

POINT AND NONPOINT SOURCE CHARACTERIZATION OF THE LOOSAHATCHIE RIVER WATERSHED

4.1. BACKGROUND. This chapter is organized by HUC-10 subwatershed, and the description of each subwatershed is divided into four parts:

i. General description of the subwatershed
ii. Description of point source contributions
ii.a. Description of facilities discharging to water bodies listed on the 1998 303(d) list
iii. Description of nonpoint source contributions

The Loosahatchie River Watershed (HUC 08010209) has been delineated into four HUC 10-digit subwatersheds.

Information for this chapter was obtained from databases maintained by the Division of Water Pollution Control or provided in the WCS (Watershed Characterization System) data set. The WCS used was version 1.1 beta (developed by Tetra Tech, Inc for EPA Region 4) released in 2000.

WCS integrates with ArcView® v3.2 and Spatial Analyst® v1.1 to analyze user-delineated (sub)watersheds based on hydrologically connected water bodies. Reports are generated by integrating WCS with Microsoft® Word. Land Use/Land Cover information from 1992 MRLC (Multi-Resolution Land Cover) data are calculated based on the proportion of county-based land use/land cover in user-delineated (sub)watersheds. Nonpoint source data in WCS are based on agricultural census data collected 1992–1998; nonpoint source data were reviewed by Tennessee NRCS staff.

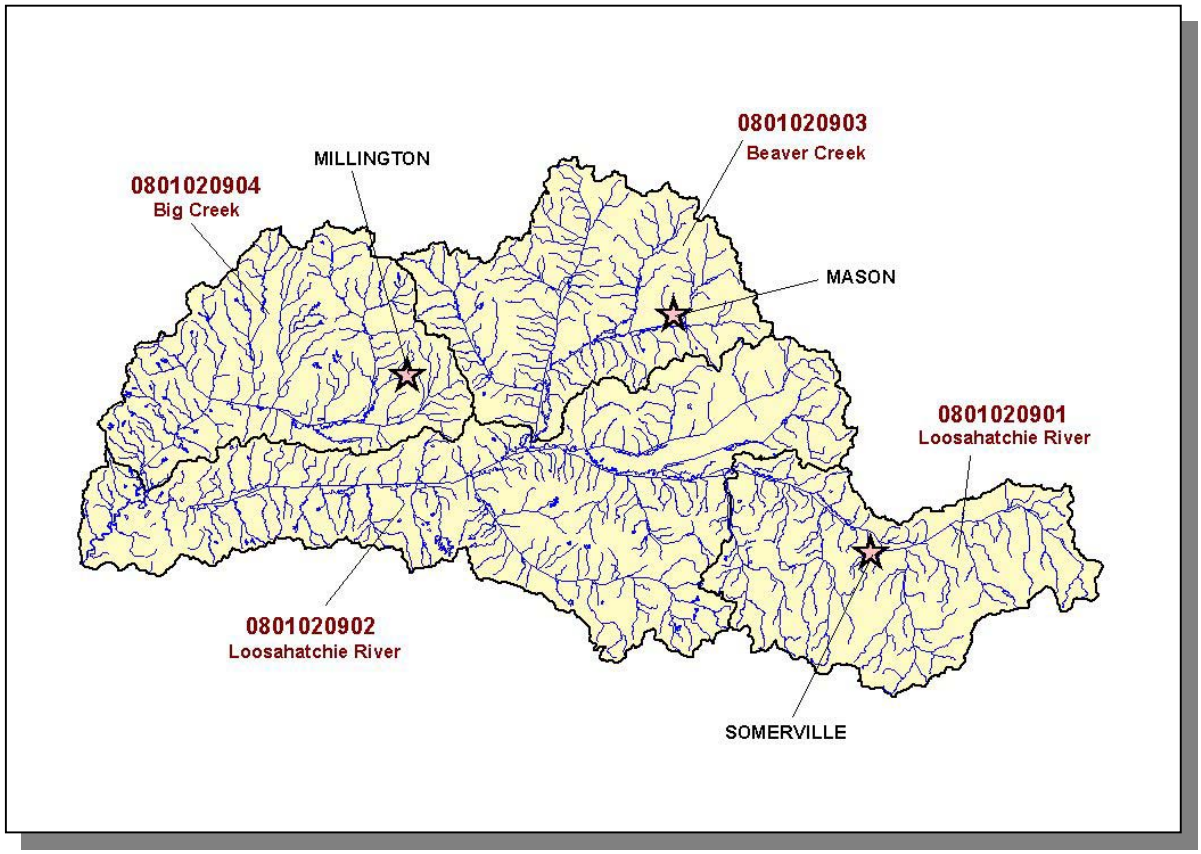

Figure 4-1. The Loosahatchie River Watershed is Composed of four USGS-Delineated Subwatersheds (10-Digit Subwatersheds). *Locations of Mason, Millington, and Somerville are shown for reference.*

4.2. CHARACTERIZATION OF HUC-10 SUBWATERSHEDS. The Watershed Characterization System (WCS) software and data sets provided by EPA Region IV were used to characterize each subwatershed in the Loosahatchie River Watershed.

HUC-10	HUC-12
0801020901	080102090101 (Loosahatchie River)
	080102090102 (Bennetts Creek)
	080102090103 (Loosahatchie River)
	080102090104 (Jones Creek)
	080102090105 (Treadville Creek)
0801020902	080102090201 (Loosahatchie River)
	080102090202 (Little Laurel Canal)
	080102090203 (Little Cypress Canal)
	080102090204 (Loosahatchie River)
	080102090205 (Clear Creek)
	080102090206 (Loosahatchie River)
0801020903	080102090301 (East Beaver Creek)
	080102090302 (Middle Beaver Creek)
	080102090303 (West Beaver Creek)
0801020904	080102090401 (Upper Big Creek)
	080102090402 (Middle Big Creek)
	080102090403 (Lower Big Creek)

Table 4-1. HUC-12 Drainage Areas are Nested Within HUC-10 Drainages. *NRCS worked with USGS to delineate the HUC-10 and HUC-12 drainage boundaries.*